

# Remedium

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May 11, 2011

U.S. Environmental Protection Agency  
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Attn.: Ms. Christina Progross

Subject: OU3 RI/FS of the Libby Asbestos Site  
Monthly Progress Report – April 2011

This progress report describes work completed during the month of April 2011, in accordance with Section IX of the Administrative Settlement Agreement and Order on Consent for Remedial Investigation/Feasibility Study dated September 2007. A discussion of the actions taken, sampling results, planned activities, modifications, problems encountered, potential issues, anticipated delays, and solutions developed is provided below. Information by contractor is reported separately.

## **MWH**

The following is a summary of the actions taken and progress made during April 2011.

### **A. ACTIONS TAKEN**

- Reviewed and commented on Libby OU3 SOP 3A (Rev. 0): *Water Sampling with Syringe Filters* and the Libby OU3 Field Sample Data Sheet for Surface Water and Sediment.
- Purchased equipment and supplies for syringe sampling of surface waters at OU3.

### **B. SAMPLING RESULTS**

- None.

### **C. PLANNED ACTIVITIES FOR NEXT TWO MONTHS**

The following tasks are scheduled to be performed over the next two months.

- Began collection of syringe samples and grab samples on April 19, 2011. Sampling locations include the Parshall Flumes mounted at LRC-6, LRC-2, CC-2 and the Tailings Pond.
- Continue weekly sampling through June 15; begin bi-weekly sampling at the same locations until mid-September.
- Review and comment on *Burn Chamber Study Design, Libby Asbestos Superfund Site Operable Unit 3*.

- Participate in teleconferences and other meetings as requested by EPA.

#### D. MODIFICATIONS/PROBLEMS ENCOUNTERED/POTENTIAL ISSUES/ANTICIPATED DELAYS/SOLUTIONS DEVELOPED/IMPLEMENTED

The pores of the 0.1-micron filters specified in the Work Plan were occluded rapidly by stream-borne sediment and required sampling personnel to push the syringe plungers strenuously over as long as 30 minutes. In some instances, the high pressures developed during sample pressing resulted in seal failure and bypass of large particles around the 0.1-micron filter, or in filter rupture. Beginning with the May 3 sampling round, 0.2-micron filters were used and are performing much better.

#### Golder Associates

The following is a summary of the actions taken and progress made during April 2011.

#### A. ACTIONS TAKEN

- Reviewed EPA ampoule protocol and revisions.
- Initiated review of draft amphibian bioassay protocol for submission to Remedium and EPA.
- Reviewed revised Pilot Trout Study protocol and submitted comments to Oregon State University.
- Submitted revised Draft Final Pilot Trout Study protocol to Remedium and EPA for review.
- Held conference call with EPA, Remedium on Phase IVB SAP comments.
- Coordinated labs on filter proficiency testing.
- Reviewed the revised EPA syringe filtering protocol.
- Continuing Project Management activities including project filing, client conference calls, project financials.

#### B. PLANNED ACTIVITIES FOR NEXT TWO MONTHS

The following tasks are scheduled to be performed over the next two months:

- Submit final trout pilot test protocol for EPA approval.
- Conduct pilot trout study and analyze data.
- Initiate pilot trout study report preparation.
- Submit draft amphibian bioassay protocol for Remedium and EPA review.
- Submit final amphibian bioassay protocol for EPA approval.

- Prepare for and conduct habitat parameter data collection (temperature data logger deployment) at OU3.

C. MODIFICATIONS/PROBLEMS ENCOUNTERED/POTENTIAL  
ISSUES/ANTICIPATED DELAYS/SOLUTIONS DEVELOPED/IMPLEMENTED

None at this time.

If you have any questions regarding this progress report please contact Bob Marriam at (901) 820-2023.

Sincerely,



Robert J. Medler  
Project Coordinator  
Remedium Group, Inc.

cc: Michael DeDen – MWH  
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